The RARS Exciter

RALEIGH AMATEUR RADIO SOCIETY
RARS
WORLDWIDE FRIENDSHIP

Issue 276, March 1993 - Club Repeaters: 146.64 -, 147.57, 224.64 -, 444.5+, 444.95+

The Fox Speaks

(A Foxes Eye View of the Hunt)
Direct from the Fox's Den by Bruce Buck, KC4UQN

To start with, I found out that I was supposed to be the fox for a bi-monthly fox hunt, one day before the hunt itself. Fortunately, most of the regulars were ill and since I was the fox I used my fox skills and got the hunt delayed a week.

I really didn't have a solid plan in what I wanted to do for the hunt, except that I did want to be near a restaurant to get an occasional cup of coffee while the hounds were trying to find my transmitter.

The transmitter was my Alinco DJ-500T. The antenna was a di-pole that I had made last year. I borrowed two other h/ts from KN4AQ (thanks Gary!) for monitoring my transmitter and the 147.15 repeater. I had given consideration that once I found a suitable hiding place, I would turn the transmitter on, play a pre-recorded tape, find a high place, and watch the fun.

The day of the hunt, I headed towards an area near the Wake Forest Rd. and Falls of The Neuse Rd. split. I planned to park in the parking lot on the west side of Fall of The Neuse Rd.. There were trees on the edge of the lot and plenty of cars, and Bo Jangles was just 30 yards away. Perfect!

When I drove there, I somehow got on the wrong lane and with the heavy traffic I was not able to get to the right to make my turn. So, I decided to go into the parking lot across the street to turn around. This parking lot had Griffin's restaurant in the back, behind a hill, and it's own parking lot full of cars. This was even better.

I managed to get the end parking space with a small field next to me. I pulled in and put what was called by some of the hounds, my "camouflaged" di-pole. (The wire of the flat top had green insulation.) Since I had about 45 minutes until the hunt was to begin, I went into the restaurant and had breakfast.

I took an h/t inside and talked to some of the hounds while I was waiting for breakfast. There was enough noise in there that they would have easily heard it. I didn't keep it a secret that I that I was having breakfast I was hoping that they would keep that in the back of their minds while they were looking.

At 10:00 EST the hunt was on. The hounds started from the North Hills parking lot. They were informed by KM4LB about the wattage (750 mW) and the antenna was horizontally polarized. That was only information they had. I deviated from my plan to use a pre-recorded tape with would leave the h/t in continuous transmit. I started talking to what seemed to be no one. This turned boring after a while so I stopped. This got the hunters to respond. During the entire hunt I would alternate between voice and the

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The Raleigh Amateur Radio Society, Inc. (RARS), founded in 1969, has grown to be one of the premier radio clubs in North Carolina. Current membership is around 400.

The objectives of the club are to promote world wide friendship through Amateur Radio; to be of public service by providing radio communication in times of disaster, emergency, or civic need; to educate members in radio technique, and to assist in obtaining Amateur Radio licenses.

All persons interested in Amateur Radio, currently licensed or not, are eligible to apply for membership to the club.

Dues to the club are $18.00 per year (which runs from July 1 to June 30). Applications for membership may be obtained from any of the officers named below; from the newsletter editor, named on the facing column; or at any RARS Meeting.

Club meetings are held the first Wednesday of every month, 7:30 PM, at the Raleigh YMCA, 1601 Hillsborough St.

In addition to the many social and special events, the club sponsors a 2 m repeater, W4DW, on 146.04/64 MHz. The club also sponsors repeaters on 223.04 / 224.64 MHz, 449.5 / 444.5 MHz, 449.95 / 445.95 MHz and a packet cluster node on 147.57 MHz. All repeaters cover Raleigh, and most of the surrounding Wake County area. The auto-patch on W4DW is now no longer closed and is open to all duly licensed amateurs.

1992Officers:

President: Walter Price, KM4BU
420 Oak Ridge
Cary, NC 27511
481-3856

Vice President: Rick Merkle , KA3PSK
6412 Sassafras Lane
Raleigh, NC 27614
870-8268

Secretary: Liz White, KO4CK
PO Box 13315
RTP, NC 27709
481-2874

Treasurer: Mike Murphy, WA4BPJ
7329 Barberry Court
Raleigh, NC 27615
847-4641

The EXCITER is published monthly by the Raleigh Amateur Radio Society, and is mailed at no cost to its members.

Letters to the Editor, technical articles, items of interest to the ham community and guest editorials are actively solicited.

Any article published in the EXCITER does not necessarily represent the views of, the Officers, Board of Directors, Editor, or Society Membership, nor does publication thereof represent concurrence by the Officers, Board of Directors, Editor, or Society membership with the contents of the article.

Articles will be printed at the discretion of the Editor, and no article will be published unless it is accompanied by the name(s) of the person(s) submitting the article.

All copy must be in the hands of the editor by the end of the Board of Director's meeting on the third Wednesday of each month. Articles submitted for publication may be hand or type written, an ASCII file on disk transmitted electronically via telephone modem, or on the ham bands using PACKET.

Ham related items for sale by the members will be advertised without charge for one issue, but may be re-submitted as often as desired. These ads must be non-commercial in nature.

Commercial ads will be run in return for the following donations to the club:

	Single Issue	Full Year
Business Card	$7.50	$75.00
Quarter Page	$11.25	$112.50
Third Page	$15.00	$150.00
Half Page	$22.50	$225.00
Full Page	$50.00	N/A

(Commercial ads must be of "camera-ready quality," and obviously can not be sent via ham bands.) Due to the reprographic process used, no color copy can be accepted.

Mailing List: Mike Murphy, WA4BPJ
7329 Barberry Court
Raleigh, NC 27615
847-4641

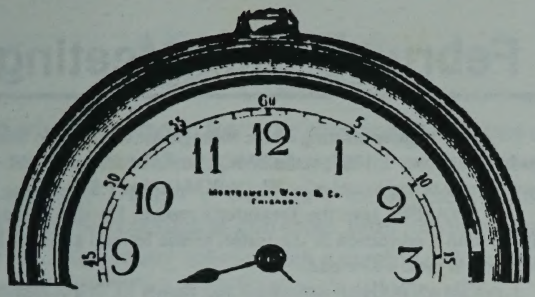
1993 Editor: Mike Gingell, KN4BS
113 Trotters Ridge Drive
Raleigh, NC 27614
847-4779

SPECIAL SERVICE CLUB

Young Ladies' Radio League

AMSAT

SOUTHEASTERN REPEATER ASSOCIATION MEMBER



MINUTES OF THE MEETING

Board Meeting

January 20, 1993

The monthly board meeting of the Raleigh Amateur Radio Society was held at the YMCA on Hillsborough St. The meeting was called to order by KM4BU at 7:10. Members present at that time: KN4AQ, WA4BPJ, KO4CK, K4HF. KD4OKR, WA4PEN,, KC4UPZ. Late: KN4BS, N4BYO. Excused: KB4MDZ, WA4MJF, KA3PSK. Absent: AA4MY.

KD4OKR noted a correction for page 3 of the minutes. The word document was omitted from the sentence about bulletin board problems. Motion by WA4PEN with second by KD4OKR to approve the minutes of the December board meeting with noted correction. None opposed.

WA4BPJ presented the Treasurer's report. Membership is now at 426. Question as to whether funds for the RARSfest Social come out of the regular club treasury or the hamfest account? Any expenditures related to the hamfest are to come from the hamfest account and the social is a hamfest-related expense.

Brian KD4BFJ reported of ATV. The first meeting was held with about 23 in attendance. The official name will be the Triangle ATV Association. Annual support dues to be $25/member, $35/family and an associate member class at $10. The repeater is in the works with some equipment already on hand and some on order. Repeater to be located in the Research Triangle Park. Officers: KJ4SO, President, WA4WTX, Vice President, KD4BFJ, Treasurer. Charter and organizational papers being drawn up by WA4PEN and N4SSU.

KC4UPZ Doug and N4YRD John reported on RARS participation with ARES net. KC4UPZ talked to Tom KM4LB who was in favor of RARS participation. The ARES net is planned for Mondays following the HF net. N4YRD said the ARES repeater of choice for the county is .715 with .64 mainly as backup. It is not known yet whether it would meet once a month or twice a month.

WA4BPJ said he has put together an interim one-page information sheet that he has been sending out with membership application forms. He and KN4AQ will get together to finalize something along that line.

K4HF said he had talked to John Kanode (our ARRL director) about the league planning meetings. They have not held such a meeting for the past year or two. They used to be necessary because there weren't that many hamfests. Now with more hamfests having ARRL Forums, people have plenty of opportunity to meet with ARRL representatives. With that in mind, it was decided not to pursue the matter further.

KN4AQ reported there were about $60 in photography expenses incurred by KC4UQN on the SAREX project. N4IZE was reimbursed for his expenses from that project with money from the sale of the SAREX tapes. The school's largest expense was for the coax and the school club will handle that. WA4PEN moved that KC4UQN be reimbursed for the photographic expenses incurred during the SAREX project. Second by KD4OKR. None opposed. Motion carried.

KN4AQ noted that there is no coordination of frequencies where packet is concerned. It is time that RARS started paying attention to packet in general A packet frequency coordination forum will be held at the RARSfest. A group in western Carolina is beginning to do packet coordination, but the eastern part of the state is not part of that. This should no longer be the case. There is a person in the area who is willing to do packet coordination. There is concern that packet is moving beyond the original set of frequencies that were band planned for them. This type of unplanned growth parallels what happened with the voice repeaters in the 60's and early 70's. When coordination did come along, things had to be realigned. Gary plans to lobby SERA to become spectrum management rather than just for repeaters. WA4PEN made the point that packet need not operate strictly on 2 meters. More frequency pairs are available on 440, for example.

KO4CK said W0UCE asked her to mention that he and NA4G wanted to start a CW SIG. WA4PEN, SIG coordinator, said he would touch base with them. Any time anyone wants to pursue something like that, they are free to do so. Ed is always available to answer questions and give support.

KM4LB Tom announced that W4UTA, Land Beamer, had become a silent key. He was retired IBMer.

Board Member Comments:

WA4PEN recommended that a group be appointed to look at where we are and where we want to be 5 years from now. A particular area of interest is hamfests. There are now six clubs (RARS, DFMA, Cary, OCRA, and 2 in Johnston county) in the area who are putting on annual 'fests. RARS could chair a meeting with representatives from these clubs and explore the possibility of doing a "Dayton-South" type of hamfest. It would take a lot of planning and cooperation from all and could do a lot for amateur radio in the area. Things could be accomplished that would never occur with a one- or two-day event. It would take years to plan and implement such an idea.

WA4BPJ has been making corrections to the roster and would like to put out a new one in the March issue of the Exciter. This would give everyone time to get more corrections to him. It will be ordered by call suffix. KC4UPZ will make announcements on the nightly net to solicit corrections.

Discussion on whether to return to sending the Exciter bulk rate. Still need to find out if there is any way to improve delivery using that means of mailing. It takes until the end of the weekend after the board meeting to finish everything up for the Exciter and then about 5 more days to get it printed, stamped, labeled and mailed. First class seems worth the extra cost to insure members receive the Exciter in a timely manner.

N4BYO said that KA3PSK is going to look over the bulletin board software and try to fix specific problems. He does not plan go back to the old system. KD4OKR has been on some bulletin boards running the same software as ours and will get together with KA3PSK and give him the names of the SYSOPs so Rick can get ideas from them.

KD4OKR said the students at East Wake Middle School and High School have formed the East Wake Schools Amateur Radio Club. Patrick Reams is the President. They drafted the constitution and have requested ARRL affiliation. In the constitution they say the club is committed to affiliation with RARS to derive the benefits provided therein. They recognize that the club would not be where they are now without the help of RARS. Their first license class starts January 21. In their by-laws they have a provision to offer a special Elmer membership to be given by the president to anyone donating time, talent or treasure to the improvement of the club - past, present or future (at the discretion of that club's president). The club president requested that Mike give RARS a copy of the membership list and the constitution.

KD4OKR contacted ARRL about the Archie comics and they mailed him 200. A big part of getting them was due to the SAREX event. He also has 150 youth pamphlets describing what amateur radio is all about. If anyone is interested in dissemination - youth flyers can be used for those interested and can be followed up with the Archie comics if further interest is shown.

The standard for order forms is in for the QSL cards. The first group of orders will be going in January 21. Delivery to be at a board meeting or a regular meeting.

KM4BU had information regarding the Handy Ham Silver Jubilee; anyone wanting information in order to support them on a personal basis, see Walter.

N4BYO said a new RARS member N4CYQ Kenneth indicated an interest in financial and legal components. He now has a copy of the non profit material that Jim received. Kenneth has been doing some research that might give him more insight into things that might help us gain that status. Jim is getting information from other non profit clubs to help in the process.

KC4UPZ wanted to know what the board wants for the 8:00 net. It is not a part of the NTS. K4IWW, the Section Traffic Manager, said that there is no need for .64 to be an NTS net. Just because we are not affiliated with NTS, does not preclude traffic being passed. Traffic can be brought to the net and if someone will take it, fine. If not, instruct them to take it to the .88 machine. Training in traffic handling would still be helpful for RARS members.

KN4AQ asked KC4UPZ for a list of public service activities that RARS may be participating in. This will help in the publicity aspect.

K4HF said that the RARSfest flyers are out and that many were distributed at the FROSTfest in Richmond. He even had some vendors sign up while he was there. Flyers have been distributed to some Radio Shacks and he asked board members to take more to pass out. Spread the word about the homebrew contest at the RARSfest. Also, get the word out that someone from ARRL Headquarters will be at our hamfest to put on a presentation and to check QSL cards for endorsements for the DXCC and above. He had samples of possible badges with the RARS logo that Badge Man will have available at the RARSfest. Chuck wanted comments on color, etc. Only one color will be produced.

KD4BFJ mentioned that a friend of his had attended the last meeting and was not particularly made to feel welcome or even approached on how to join the club. Just be aware and try to make people feel at home at meetings and gatherings.

Motion by WA4PEN to adjourn. None opposed. Meeting adjourned at 9:50.

Liz White, KO4CK, Secretary

February Club Meeting

The regular meeting of the Raleigh Amateur Radio Society was held February 3, 1993, at the YMCA on Hillsborough Street. The meeting was called to order by Walter KM4BU at 7:30.

WA4BPJ gave the Treasurer's report. He also asked that anyone with a correction to the roster, please let him know as he is preparing to print a new one.

KD4ACW Cyndi announced that Randy KC4GFR is keeping a list of those who want to help with the Hamfest. Please contact him to let him know the area you would like to help with.

NA4G Bob said he had handouts at the back table about the Homebrew SIG. The SIG meets the 4th Wednesday of each month.

Walter welcomed the 94 members and 10 guests. He had some of the guests introduce themselves to the group.

KA3PSK asked for volunteers to help him on meeting nights to get donuts, help with bringing sodas, and to help clean up after the meeting.

W0UCE Jack said he and NA4G were forming a CW SIG. There are two sessions planned. The first for those who know code but are having problems and the second to teach the code the proper way. They plan to meet early Thursday evening at Don Murray's Bar-B-Q. Bring headphones and a tape recorder.

K4SAN Dave reported on the preliminary results of the VHF Sweepstakes that was held at ABB. They received about 24,000 points.

KB4MDZ reported on the repeater and gave advice on how to handle someone who is causing problems. In a word - ignore them. The Control Operator can take further action if warranted.

KN4AQ announced that he would have a special "how to" net following the 8 o'clock net on Sunday evening. This is to help all the newly licensed hams to gain more information on the proper ways to use the radio and give them an opportunity to ask questions. He also said that the February QST details some of the SAREX activity.

WB4TOP, the Wake Tech Radio Club, has been out of service. They have new equipment on order and when it comes in they will need help in moving and setting up things. Please contact K4MC Bob Coms or W4FMN Bert Bailey if you can help.

KA3PSK introduced Rod Gonski of the National Weather Service for the program on weather spotting. A portion of it had to do with severe winter weather. Then more on Skywarn and what to look for to provide necessary information to the National Weather Service.

Since your secretary did not stay for the entire meeting, I apologize for not having the doorprize list and who won them. I was told the meeting lasted until after 10:00.

Liz White KO4CK Secretary

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A Foxes Eye View
(Continued from Page 1)

tape which was made from the speech synth on one of my computers. The tape had random words such as "Warning", "Danger", "Gottcha", "Good", etc.. It also had sound affects such as gun shots, laser blasts, chimes and the like. Every minute with a machine like voice, it would say, "This is KC4UQN.". (Shades of 64.)

After about 30 minutes, signals from some of the hounds was getting strong but not strong enough to read on the S-meter. I new they were getting closer. To make things a little more difficult, I changed my strategy by going quiet for 15 to 30 seconds. Oh ok, it was planned. It was a malfunction in the remote PTT of my head set. To the hounds it probably seemed an eternity, and after a couple of complaints I went back to the PTT on the h/t, but I could tell it was making the hunt more challenging.

The real fun began around 20 minutes to 11:00. I was able to see the hounds on the Wake Forest Rd.. I would deliberately stop transmitting just long enough for them to get a couple blocks away. At 10:45 two groups of hunters arrived in the parking lot. They were Tom, KM4LB with ????? (SBT) in Tom's van. KS2Z, Todd was seconds behind him.

Tom's van was very easy to recognize because of the yagi on a post sticking out a window. I got a REAL close look at KM4LB's vehicle because, he pulled into the parking stall directly behind me and came close to hitting my truck when he backed out to go to the front of the restaurant to park his van.

Todd's car was a little harder to spot, but I did see him and even got him to wave when I said hello to him through the radio. He too turned around, and where he went I didn't find out until later.

Tom and his companion had gotten out of the van and were walking around with their attenuated, direction finding h/ts. I could see them from my truck and it was fun. As they would turn towards my antenna, I would stop transmitting. When they would turn away, I would resume. I was afraid that this tactic would give my location away, but they didn't catch on. They walked out of view to the front of the restaurant two or three times. I found out later that they had gone inside at least once. (Maybe the previous QSO from inside did pay. HMMM??) A customer from Griffins' saw them and asked if they were checking for emissions. Well, yes they were, but the customer meant exhaust emissions.

Anyway, 10 minutes later and, having no idea where Todd was, I watched Tom walk towards my truck and then turn away. Then he came back and saw my dual band antenna attached to the SIDE of my truck. I had put it there deliberately, but in reflection, that was a mistake. He yelled back to his partner and stated that he thought he had found it. He still had not seen me because the windows were well fogged over. Finally I let him off the hook and gave him a continuous signal and then he saw the antenna in the tree.

While Tom was yelling for his friend, Todd came down the hill in front of my vehicle. He literally caught me looking the other way. Oh well, Tom had already found me. By the way Todd was the one who accused me of 'camouflaging' the antenna.

Well for all intents and purposes, the hunt was over, and I had a pretty good headache. However, there were still several hounds looking for the fox, so I decided to carry on. KS2Z, Todd jumped in the truck and played fox for awhile.

I wanted to get a soda, so we locked down the PTT, turned on the tape, and retreated to Todd's car. We went across the street to Bo Jangles. On the way there we saw KD4GAN, Dennis, in the Darryl's parking lot. We spoke with him for a few seconds, then again proceeded to Bo Jangle's. While crossing the road, we saw KN4AQ, Gary and his pilot, KD4ACW (?), Cindy. It is my understanding that they had a fine tour of Raleigh during the hunt.

I got my soda, consumed a Goody's powder, and returned to Todd's car. We went back to a parking lot adjacent the truck and watched Gary and Cindy drive around. By this time most of the cars in the restaurant parking lot had left and my truck was in plain view. Finally Gary and Cindy parked near by. Gary grabbed his h/t (man he has a bunch of hand-helds), and promptly found the fox transmitter.

There was one other hunter that found it before we shut it down, and I apologize for not remembering his call, but Mark has the distinction of being "last dog home"? Sorry Mark, I couldn't resist.

Well that is it. It was a great deal of fun and listen to 64. We may have an impromptu fox hunt on a Sunday afternoon.

73 - Bruce

RARSfest '93 !

The RARSfest is coming up soon on April 4, 1993. As always, club members are encouraged and asked to help with this major fundraising event. Please contact KC4GFR, Randy at 833-4737 to get your name in the RARSfest human resource database. Profit from the RARSfest allows RARS to provide birthday parties, picnics, socials, and working repeaters for its members.

Attention Homebrewers:

RARSfest '93 will include the famous Homebrew contest. Bring your best projects and register them for the contest on April 4 at the RARSfest. We will have a slate of impartial judges. The judging will be based on craftsmanship, difficulty, innovation, and actual amount of homebrewing. Contact Brian, KD4BFJ for further information.

Public Service Events

It's that time of the year again folks! Punxsatawney Phil saw his shadow, the daffodils have sprouted, and I have been getting lots of phone calls from various organizations requesting our help in providing the best communications available. I have listed the events that I am aware of so far, and if any other events come up I will let everyone know. Please mark your calendars!

March	27	MS Society Walk, Morehead City
March	28	MS Society Walk, Durham/Raleigh to Umstead Park
April	17	March of Dimes Walk, RTP
April	24	March of Dimes Walk, Raleigh
April	25	March of Dimes Walk, Durham
May	01	March of Dimes Walk, Chapel Hill
May	02	MS Society Bike Ride, Cary to Shearon Harris
May	16	American Diabetes Society, Bike Ride, RTP to Chapel Hill
Sept	25 & 26	MS Society Bike Ride, Greenville to Camp Seagull
Oct	15-24	Red Cross, State Fair Communications

I will be getting some help from the Durham, Orange County and Carteret County hams to cover some of the Durham, Chapel Hill and Morehead City events.

73, Doug Sweet, KC4UPZ, Public Service

WELCOME !

RARS would like to welcome these new members:

Christer Grannsjo	SM4FXR
Warren Lewis	
Phillip K. Lupo	KD4KII
Russell Maxwell	KD4WKC
Del Mays	KQ4MW
Jonathon C. McLendon	KD4WJK
Doug Outlaw	KB3FL
Howard B. Pullen	N4FLF
John L. Thompson III	KD4TRJ
Mal Whitmore	
Dave Wood	KB4KPD

RARS CRYSTALS

The Crystals held their regular monthly meeting January 28 at Shoney's on Avent Ferry Road. Fifteen ladies attended the meeting. Three of them were from the last RARS class. We discussed the RARSfest Social and what the Crystals' role will be. The doorprize was won by Marty Silver. This was the first time since the Crystals were formed that someone has won for the second time. The next meeting will be Tuesday, February 23.

- Liz White KO4CK

WANTED !

KD4OKR Mike Ramsey is searching for Ham programs for Commodore 64 and/or 128. He wants to compile a list to share these programs. If you can help, please contact him on the RARS BBS or call him at 779-2648 before 10pm.

RARS Roster - March 1993

K4ABQ	G	Irving Hayes		P.O. Box 123	Norlina, NC	27563
WA4ABS	E	Darrell Gordon	919-783-0560	2206 Wheeler Road	Raleigh, NC	27607
W2AC	E	Harry Greenberg	919-847-1822	8213 Old Deer Trail	Raleigh, NC	27615
KD4ACH	T	Richard A Danchi	919-839-0881	2828 Henslow Drive	Raleigh, NC	27603
KD4ACK	T+	Sharon T Murphy	919-847-4641	7329 Barberry Court	Raleigh, NC	27615
KD4ACN	T	Charles R Grady	919-787-5546-	4513 Revere Drive	Raleigh, NC	27609
KD4ACQ	A	David P Kenny	919-552-0301	709 Country Meadow Road	Fuquay-Varina, NC	27526
KD4ACR	T	Kenneth D Hetrick	919-481-1267	622 Ashe Avenue	Cary, NC	27511
KD4ACT	T+	David Montoya	919-380-8530	212 N. Dixon Street	Cary, NC	27513
KD4ACW	A	Cynthia K Wood	919-380-7286	116 Waterfall Court	Cary, NC	27513
KD4ACY	T	Dick J Rohlf	919-489-4047	3523 W. Cornwallis Road	Durham, NC	27705
KD4AED	T	Brock M Nicholson	919-851-5588	3219 Tanager Street	Raleigh, NC	27606
KD4AEF	T	Tom Kenny	919-362-0012	7145 Meadow Gate Dr.	Apex, NC	27502
WA4AFB	G	Alan Browne	301-889-3213	2401 Guilford Avenue	Baltimore, MD	21218
WP2AHE	N	Joseph L Despins	919-233-6974	4075-C Bluebird Court	Raleigh, NC	27606
AC4AN	E	Michael J McCormick	919-481-0313	314-E Bargate Drive	Cary, NC	27511
KD4APW	T+	Jim Peeler		3886 Ebenezer Road	Marrietta, GA	38066
KN4AQ	A	Gary Pearce	919-233-8306	4400 Bleeker Court	Raleigh, NC	27606
KC4AQB	T	Anita G Kellum	919-846-7455	208 Chatterson Drive	Raleigh, NC	27615
KB4AQH	G	Annette J Rogers	919-787-7486	5312 Kirkwood Court	Raleigh, NC	27609
K3ATM	A	Gordon J Messer	919-848-6970	5020 Springwood Drive	Raleigh, NC	27613
KD4AYI	G	Timothy W Gee	919-469-2044	938 Ralph Drive	Cary, NC	27511
K3AYS	E	James E Fisher	919-847-6033	11908 Coachmann'S Way	Raleigh, NC	27614
WA4AZL	G	Neil L Little	919-779-4657	1134 N. Spring Garden Circle	Raleigh, NC	27603
N1BA	E	William W Ransier	919-846-2692	8200 Hambledon Court	Raleigh, NC	27615
W2BBN	G	William S Brandberg	919-833-9640	714 Glascock Street	Raleigh, NC	27604
KD4BCU	T+	Kevin T Lee	919-481-3428	106 Topsail Court	Cary, NC	27511
KD4BFF	T	Rev. Clyde Starling		Route 1, Box 455C	Morrisville, NC	27560
KD4BFH	T	David L Sutton	919-544-7636	5618 Welkin Court	Durham, NC	27713
KD4BFI	T	Joseph T Deaton, Jr.	919-556-4564	Route 3, Box 297	Youngsville, NC	27596
KD4BFJ	T	Brian R Hammill	919-831-1009	1412-201 Brookside	Raleigh, NC	27604
KB4BJ	A	James W Sylivant		500 Peachtree Lane	Auburn, AL	36830
KD4BMA	T	Clement H Matthews, Jr.	919-552-3233	Route 2, Box 56	Fuquay-Varina, NC	27526
WB8BMV	A	Jamey C Brookover	919-469-3032	1208 Willowbrook Dr.	Cary, NC	27511
WA4BPJ	A	Michael A Murphy	919-847-4641	7329 Barberry Court	Raleigh, NC	27615
KN4BS	A	Michael J Gingell	919-847-4779	113 Trotters Ridge Drive	Raleigh, NC	27614
KM4BU	A	Walter R Price	919-481-3856	420 Oak Ridge	Cary, NC	27511
K4BWC	E	William Edwards	919-231-2829	4209 Live Oak Trail	Raleigh, NC	27604
KB4CNQ	A	Mark J Kocher	919-676-3317	1208 Ebb Court	Raleigh, NC	27615
KJ4BX	A	Steven Ferrarini	919-850-3250	3308 Alantic Avenue	Raleigh, NC	27604
W2BXE	A	Austin C Farrell	919-851-3180	6606 Clinton Place	Raleigh, NC	27607
N4BYO	G	Jim Dubreck	919-781-9437	1209 Shelley Road	Raleigh, NC	27609
KO4CI	A	Sonny L Kellum	919-846-7455	208 Chatterson Drive	Raleigh, NC	27615
K4CIA	E	William G McDowell	919-876-2686	3709 Huntleigh Road	Raleigh, NC	27604
KO4CK	A	Mary E White	919-481-8754	P.O. Box 13315	Rtp, NC	27709
WA0CMO	A	Carl A Jurgens, Jr.	919-787-2020	4708 Wildwood Street	Raleigh, NC	27612
KC4CPD	T	Robert G Wolk	919-848-4812	6001 Clare Court	Raleigh, NC	27609
KC4CPH	T+	Joseph T Hayes, III	919-556-4208	110 Fairburn Court	Wake Forest, NC	27587
KD4CPL	G	James N England, III	919-929-4342	811 Kenmore Road	Chapel Hill, NC	27514
KD4CPU	T	Robert E Stone	919-693-4556	P.O. Box 1444	Oxford, NC	27565
KD4CPW	T	Jeffrey S Denton	919-772-8519	10 Bearcourt Drive	Attleboro, MA	02703
WA3CUC	G	Robert E Daniels	919-954-7391	1504 Falls Church Road	Raleigh, NC	27609
KA3CVE	A	Dorothea B Church	919-967-6915	27 Fearington Post	Pittsboro, NC	27312
N4CYQ	G	H Kenneth Dickson	919-781-8519	4809 Sweetbriar Drive	Raleigh, NC	27609
WW8D	E	Thomas C Gordon	304-325-3145	505 Union Street	Bluefield, WV	24701
KA4DAP	-	William R Coleman, Jr.		P.O. Box 38	Murfreesboro, NC	27855

KD4DCE	T	Rick D Yost	919-848-7887	7204 St. Ledger Drive	Raleigh, NC	27613
WB4DCM	A	Charles A Swindell		702 Red Forest Trail	Raleigh, NC	27615
KD4DIT	T+	Cullin D Hall	919-821-5738	2514 Clark Avenue	Raleigh, NC	27607
KD4DNU	T	Robert Porter	919-481-4255	104-A Darlena Court	Cary, NC	27511
KD4DNW	T	Michael R Steele	919-460-7731	509 Dynasty Dr.	Cary, NC	27513
KD4DNX	T+	Heath T Roberts	919-460-7731	509 Dynasty Dr.	Cary, NC	27513
AB4DQ	E	Walter Van Gieson	919-782-1424	201 Walden Place	Raleigh, NC	27609
KD4DQY	T	Bob McGahan	919-479-1322	8 Portor Circle	Durham, NC	27704
WB4DRJ	A	Lee S Rogers	919-787-7486	5312 Kirkwood Court	Raleigh, NC	27609
K4DRT	A	Michael A Stroupe	919-787-6729	4716 Stonehill Street	Raleigh, NC	27609
W8DTD	A	Peter H Bliss	919-781-1100	8701 Kings Mill Place	Raleigh, NC	27614
NJ2E	E	Donald Kalinowski	919-380-9509	944 Ivy Lane	Cary, NC	27511
WD4ECJ	T	John Johnson	919-438-4660	306 Harriett Street	Henderson, NC	27536
N4ECU	G	Fred R Brack	919-847-7268	500 Emerywood Drive	Raleigh, NC	27615
N2EIB	T	Ross D Volk	919-783-6440	5410 Scenic View Lane	Raleigh, NC	27612
W4EIF	G	Curtis M Clark	919-772-6782	1412 Spring Drive	Garner, NC	27529
N2ENN	A	James Daldry	919-954-1922	3000 Stoney Brook N. Nbr 65	Raleigh, NC	27604
WA4ENZ	A	Joseph Homovec	919-787-2150	4135 Rockingham Street	Raleigh, NC	27609
WB4EOV	G	William R Feehan	919-781-6575	4412 Yadkin Drive	Raleigh, NC	27609
KM4EP	A	Joseph C Diepenbrock	919-781-2682	4121 Stagwood Drive	Raleigh, NC	27613
KF4EP	A	Dick B Martin	919-870-5035	1012 Trader'S Trail	Wake Forest, NC	27587
W3EPA	A	Herbert E Church	919-967-6915	27 Fearington Post	Pittsboro, NC	27312
KD4EUV	G	Robert D Dodson	919-929-3351	2112 Doar Rd	Chapel Hill, NC	27514
KD4EUW	T+	William G Ewald	919-387-8561	Route 2, Deer Run #9	Apex, NC	27502
KD4EVV	T	Dawn D Stroupe	919-787-6729	4716 Stonehill Street	Raleigh, NC	27609
KD4EWH	T	Brian Andrews	919-870-6923	8608 Timberwind Drive	Raleigh, NC	27615
KB4EXL	T	Sherry L Reams	919-266-4434	3509 Rolesville Road	Wendell, NC	27591
KC4EYK	N	Carolyn Mayfield	919-365-6291	Po Box 1273	Wendell, NC	27591
KB4EYV	T	Richard Saccoccia	919-876-6038	4753-C Courtney Lane	Raleigh, NC	27604
W3EZR	E	Rodger Moates	919-876-0691	3300 Barnsley Lane	Raleigh, NC	27604
K4FAD	E	John Mentha	919-846-0473	5124 Swisswood Drive	Raleigh, NC	27612
K4FEP	A	Melvin L Harrod	919-787-3004	3804 Pleasant Valley Road	Raleigh, NC	27612
KB4FEU	T	E R Quillin	919-848-7986	6316-N Shanda Drive	Raleigh, NC	27609
KD4FEA	T	Ron Hatchcock		3806D Bonneville Ct	Raleigh, NC	27604
KD4FHF	N	Andrew J Roth, Jr.		6856 Cinnamon Creek Circle	Fayetteville, NC	28314
KD4FJQ	T	Rebekah L Starling	919-460-8568	Route 1, Box 408-C	Morrisville, NC	27560
K3FKI	T	Jerome W Silverstein	412-745-4595	161 Glenhurst Drive	Verona, PA	15147
KO4FL	A	Brian S Ring	919-469-5494	106 Springwater Court	Cary, NC	27513
KN4FL	A	John Swain Jr. D.D.S.	919-787-5417	3420 Churchill Road	Raleigh, NC	27607
KB3FL	A	Doug Outlaw	919-893-4850	615 Oberlin Rd. Suite 300	Raleigh, NC	27605
N4FLF	G	Howard B Pullen	919-834-9139	212 N. State St.	Raleigh, NC	27601
N4FLW	G	Irv Strobing	919-575-6816	P.O. Box 81	Northside, NC	27564
W4FMN	E	Lt Col Bert Bailey Jr.	919-787-1643	701 Currituck Drive	Raleigh, NC	27609
K4FMW	G	Robert C Browning Jr.	919-851-5567	3910 Wendy Lane	Raleigh, NC	27606
W4FNB	A	William M Hales	919-782-2522	3209 Dell Drive	Raleigh, NC	27609
WB1FOF	T+	Lawrence R Johnson	919-954-0375	P.O. Box 58543	Raleigh, NC	27658
N0FSD	E	William A Schmidt	919-878-9587	1100 Mayberry Place	Raleigh, NC	27609
KD4FSE	T	Robert O Horton	919-460-7010	103 Collier Pl, Apt 2B	Cary, NC	27513
KD4FSN	T	Chris Busch	919-833-4438	2106 Woodland Avenue	Raleigh, NC	27608
W4FSO	A	Alex L Regi	919-787-0161	4216 Windsor Place	Raleigh, NC	27609
W4FTK	A	Glenn S Guthrie	919-851-4861	1308 Chaney Road	Raleigh, NC	27606
KA2FWC	T	Frank Scaraglino	919-870-7260	7904 Pleasant Ridge Road	Raleigh, NC	27615
SM4FXR	-	Christer Grannsjo	919-783-6261	4320-202 Furman Hall	Raleigh, NC	27612
AB4FY	E	Robert J Ingraham	919-781-5747	6501 Gateridge Drive, Apt 208	Raleigh, NC	27613
NA4G	E	Dr. Robert D Keys	919-847-0069	7604 Mine Shaft Road	Raleigh, NC	27615
KN4G	E	Norm Plaks	919-876-4192	1205 Country Ridge Road	Raleigh, NC	27609
KD4GAN	T	Dennis Mason	919-848-4883	500 Killington Dr.	Raleigh, NC	27609
KD4GDV	T	Andy G Scarborough, Jr.	919-876-2463	907 Pebblebrook Drive	Raleigh, NC	27609
KC4GFR	G	Randy L Stegall	919-833-4737	1319 Curfman Street	Raleigh, NC	27603

K4GHJ	G	Donn L Dieter	919-782-5776	4809 Radcliff Road	Raleigh, NC	27609
W2GHK	E	Stuart Meyer		2417 Newton Street	Vienna, VA	22181
WA4GIR	E	Joseph H White	919-481-8754	P.O. Box 13315	Rtp, NC	27709
W4GKC	G	Lewis F Robertson	919-847-1351	10408 Veasey Mill Road	Raleigh, NC	27615
K4GOE	A	Al C Mullis	919-850-0640	7001 Rainwater Road	Raleigh, NC	27615
KD4GWB	T	Tabitha Valkyrie	919-231-1412	P.O. Box 14328	Raleigh, NC	27620
KD4GWC	T	Jim Pulley	919-430-7800	Route 1, Box 71	Henderson, NC	27536
K4GWU	G	Joe Warner	919-937-2600	137 Steeplechase Rd.	Rocky Mount, NC	27804
N9GXF	T	Wayne Schulz	919-266-1560	1012 Laurens Way	Knightdale, NC	27545
NY4H	E	Martha A Silver	919-787-9882	3118 Eton Road	Raleigh, NC	27608
KC4HAF	N	Melissa Stafford	919-832-9844	400 Fayetteville Street	Raleigh, NC	27601
K4HCG	G	James W Wisdom	919-782-4098	3308 Cobblestone Court	Raleigh, NC	27607
K4HF	E	Chuck Littlewood	919-872-6555	2005 Quail Ridge Road	Raleigh, NC	27609
WB4HFL	T	Henry A Pollock	919-848-8220	P.O. Box 1932	Raleigh, NC	27602
KB4HG	A	Rhett W Isley	919-460-9366	P. O. Box 1681	Cary, NC	27513
N2HJK	T	Paul E Allikas	919-870-1631	10500 Leafwood Place	Raleigh, NC	27612
K4HJK	G	Father McDermott		Rfd 1, Box 50-D	Glasgow, VA	24555
W4HJZ	E	Carl A Ebhardt	919-787-0093	22 East Rowan Street	Raleigh, NC	27609
W2HLD	E	Michael W Vinocur	919-676-4205	2401 Henning Drive	Raleigh, NC	27615
N4HQZ	A	Peter D Thacher	919-876-4073	1108 Steinbeck Drive	Raleigh, NC	27609
AC4HV	E	Eric C Kendrick	919-832-4508	313 West Park Drive	Raleigh, NC	27605
N4HXI	G	Robert L Sutton	919-544-7510	5908-11 Tattersall Drive	Durham, NC	27713
W3HXM	G	Finn Dahlin	919-878-7959	6600 Johnsdale Road	Raleigh, NC	27615
W1HZQ	E	Coleman W Thacher	919-781-1532	417 Myrtlewood Court	Raleigh, NC	27609
WA4IAW	T	Mary R Long	919-834-3384	2028 Fairview Road	Raleigh, NC	27608
KB0IGS	-	Vernon Heglund	???-533-8183	4342 Drew Ave, N	Robbinsdale, MN	55422
K4IDJ	E	William C Uhland		Route 1, Box 106	Morrisville, NC	27560
W1IHN	E	Bert R Michaud	919-676-7388	10808 Marthas Way	Raleigh, NC	27614
KD4IHW	T	Errol Casey, Jr.	919-380-0412	2215-G Duck Pond Circle	Morrisville, NC	27560
WB4INM	A	Diane Courtney	919-362-7037	6933 Wade Drive	Apex, NC	27502
AB4IO	E	Don Williams	919-772-1315	1501 Kenbrook Drive	Garner, NC	27529
KC4ION	N	Joshua Ellis	919-266-3624	Route 2, Box 346	Wendell, NC	27591
KM4IQ	A	David M Farley	919-929-9665	338 Warren Court	Chapel Hill, NC	27516
N4IQA	A	Robert P Buehlmann		1314 Chaney Road	Raleigh, NC	27606
N4IQI	T	Dusty Woodlief	919-782-8801	2307 Lake Drive	Raleigh, NC	27609
KD4IRT	T	Paul F Judson		5932 Lindenwood Dr.	Matthews, NC	28105
KD4IRU	T	Dennis J Osborne	919-828-1074	P. O. Box 5064	Raleigh, NC	27650
KD4IRV	T+	Lawrence K Jones	919-851-4586	317 Meredith Street	Raleigh, NC	27606
KD4IRZ	T	Robert L Orander	919-870-9194	4900 Edwards Mill Rd.	Raleigh, NC	27612
KD4ISB	T	Kevin Carter	919-467-4522	1006 Reedy Creek Road	Cary, NC	27513
KD4ISC	T+	Richard Orander Jr.	919-469-5322	1004 Wilshire Drive	Cary, NC	27511
KD4ISD	T	Joseph F Adles Jr.	919-783-8530	5608 Laniel Court	Raleigh, NC	27612
KD4IUS	T	David A Visti	919-847-6214	3220 Lynn Ridgedrive, # 2F	Raleigh, NC	27613
KD4IUT	T	Charles I Abed	919-782-6149	4613 Oak Park Road	Raleigh, NC	27612
KQ4IWE		Jack R Bridges	919-783-8787	3205 Mill Run	Raleigh, NC	27612
KF4IZ	A	Bob W Bailey	919-847-3650	10605 Hanarry Ct.	Raleigh, NC	27614
N4IZE	G	Thomas E Swanson	919-782-0791	5729 Wintergreen Drive	Raleigh, NC	27609
W4JG	A	Jesse Hodges	919-782-1310	3605 Rock Creek Drive	Raleigh, NC	27609
KC4JJZ	G	Steven F Clary	919-266-3115	2125 Davistown Road	Wendell, NC	27591
KO4JK	A	James B Clary	919-467-2108	232 Beachers Brook Lane	Cary, NC	27511
KD4JLA	T	Charles H Griffin	919-787-7701	5405 Ridgeloch Place	Raleigh, NC	27612
KD4JLC	G	Mark Smith	919-781-1004	2610 Glen Burnie Drive	Raleigh, NC	27607
KD4JMK	T	Kenneth Boone	919-596-1161	1704 Carpenter Pond Road	Raleigh, NC	27613
KD4JML	T	Alan Clegg	919-481-9272	706 Northampton Drive	Cary, NC	27513
KD4JMN	T	John C Taylor	919-782-1204	2604 Kittrell Drive	Raleigh, NC	27608
KD4JMO	T	Veleta Thomson	919-469-3362	133 Cumberland Green Drive	Cary, NC	27513
N4JTR	T	Virginia L Massey	919-967-4587	101-9 Melville Loop	Chapel Hill, NC	27514
W4JUG	A	James T Johnson	919-833-9189	815 Coleman Street	Raleigh, NC	27610
KA1KBY	N	Helen Ann Gerli	919-467-6657	116 Bruce Drive	Cary, NC	27511

KC4KIC	T+	Sam H Johnson	919-787-0603	P.O. Box 31067	Raleigh, NC	27622
KD4KII	T+	Phillip K Lupo	919-269-5861	114 Arrowhead Drive	Zebulon, NC	27597
KF4KL	E	Douglas D Hall	919-781-8947	4400 Duraleigh Road	Raleigh, NC	27612
KD4KMI	T	Rodney D Draughon	919-364-7420	Route 4, Box 205	Rougemont, NC	27572
KB4KPD	E	Dave Wood	919-291-2595	106 Rowe Ave.	Wilson, NC	27893
WD4KSE	G	Mark Freeze	919-677-1525	311 Montibello Drive	Cary, NC	27513
KD4KWQ	T	Benson T Wills	919-556-5551	513 Country Tracts Drive	Wake Forest, NC	27587
N4KXV	T+	Raymond M Craig	919-848-9190	6117 Valley Estates Dr.	Raleigh, NC	27612
KB4LAF	E	Chester P Rataski	919-847-1122	9600 Barton Creek Road	Raleigh, NC	27615
WD4LCL	T	Eric M Goldberg	919-847-1350	10033 Old Warden Road	Raleigh, NC	27615
KB4LEN	T	Lyman K McLean	919-438-7002	806 Hargrove Street	Henderson, NC	27536
WA4LHE	E	Arnold G Clary	919-266-3115	2125 Daviston Road	Wendell, NC	27591
KD4LLQ	T	William B Lyon	919-832-7975	2351 Champion Court	Raleigh, NC	27606
KD4LLU	T	David K Boone	919-481-4557	108 Brook Hollow Court	Cary, NC	27513
KD4LLV	T	Joe B Simpson, Jr.	919-477-1481	5910 Crabapple Road	Durham, NC	27709
KD4LLW	T	Jackie D Farmer	919-779-2369	8108 Brently Drive	Apex, NC	27502
AB4LR	E	David S Williams	919-231-7744	4008 Live Oak Road	Raleigh, NC	27604
N3LTV	T+	Doug Wall	919-981-0716	6912 Hunters Way	Raleigh, NC	27615
W8LUM	G	Wayne E McKendry	919-467-0213	916 Northwoods Drive	Cary, NC	27513
K4LXV	A	Lawrence R Young	919-847-8858	8804 Weathersfield Court	Raleigh, NC	27613
KO4LZ	A	Paul Denisowski	919-967-2579	109-F Shadowood Drive	Chapel Hill, NC	27514
WB5M	E	Richard Thorne	919-528-2110	133 Light Falls Dr.	Wake Forest, NC	27587
K4MC	E	Bob Corns	919-828-6005	1619 Oberlin Road	Raleigh, NC	27608
KB4MDY	T	Carla Gleason	919-467-5787	419 Willowbrook Drive	Cary, NC	27511
KB4MDZ	G	Chuk Gleason	919-467-5787	419 Willowbrook Drive	Cary, NC	27511
AC4ME	E	Curt A Williams	919-846-8342	10605 Dunhill Terrace	Raleigh, NC	27615
KO4MJ	A	James Hartman	919-571-7809	2101 E. Charlotte Court	Raleigh, NC	27607
N2MJE	T	Frank W Tibbetts, III	919-755-0543	907-B Method Road	Raleigh, NC	27606
WA4MJF	A	Ronnie Reams	919-266-4434	3509 Rolesville Road	Wendell, NC	27591
W4MJN	A	Morton R Shaw	919-787-0916	5509 Lambshire Drive	Raleigh, NC	27612
KN4MN	A	Ernest M Schnitz	919-942-4575	526 Colony Woods Drive	Chapel Hill, NC	27514
WD4MRD	G	Joe Henderson		2221 Coley Forest Place	Raleigh, NC	27607
KQ4MW	A	Del Mays	919-266-4398	1112 Laurens Way	Knightdale, NC	27545
KB4MWT	T	Brian A Breton	919-781-2415	4101 White Pine Drive	Raleigh, NC	27612
AA4MY	E	Vincent J Yakamavich	919-847-8512	220 Carriage Trail	Raleigh, NC	27614
KD4MYE	T+	Glenn R Allen	919-556-9576	P.O. Box 591	Wake Forest, NC	27588
WD4MZX	A	Wayne Robarge	919-859-1711	717 Merrie Road	Raleigh, NC	27606
WD4MZZ	T	Joseph D Ellis	919-848-1141	6829 Laurdane Road	Raleigh, NC	27613
WA9NEW	A	Bruce Eggers	919-779-0266	1141 North Spring Garden	Raleigh, NC	27603
KM4NF	A	Marc W Howard	919-848-8780	725 Bennington Drive	Raleigh, NC	27615
WA4NLV	A	Earle E Arundel, Jr.	919-847-1906	7920 Hardwick Drive	Raleigh, NC	27615
KD4NMH	T	Sam Cederas	919-380-0743	305 Rutherglen Drive	Cary, NC	27511
KC4NMR	T	Debbie Glosson	919-542-4267	Route 1, Box 950	Moncure, NC	27559
KA4NSA	T	Alan Plaks	919-787-7095	4137-101 Lake Lynn Drive	Raleigh, NC	27613
KD4NYU	T	Lin E Oakley	919-237-2638	305 Brentwood Drive	Wilson, NC	27893
K4NYV	E	Norman L Pendleton	919-829-9449	3617 Country Cove Lane	Raleigh, NC	27606
KC4OCB	T+	Mark Thompson	919-266-0606	1029 Harvest Mill Court	Raleigh, NC	27610
KJ6OD	A	Stephen L Shmania	919-489-5886	4617-D Hope Valley Road	Durham, NC	27707
KM4OH	A	Rob Oates	919-783-0860	5400 Christman Court	Raleigh, NC	27609
KD4OIX	G	William H Perkins, Sr.	919-847-7945	213 Woods Ream Drive	Raleigh, NC	27615
KD4OKN	T+	John F Hawkins		801 Vestavia Woods Drive	Raleigh, NC	27615
KD4OKO	T	Vickie Isley	919-460-9366	P. O. Box 1681	Cary, NC	27513
KD4OKP	T+	Ginger S Merkle	919-870-8268	6412 Sassafras Lane	Raleigh, NC	27614
KD4OKQ	T	Mary Alice Ramsey	919-779-2648	10820 Bent Branch Drive	Raleigh, NC	27603
KD4OKR	T	Michael S Ramsey	919-779-2648	10820 Bent Branch Drive	Raleigh, NC	27603
KD4OLN	T	Patricia Strickland	919-460-1922	119 Rosebrooks Drive	Cary, NC	27513
KD4OLO	T	Rick Smead	919-662-1237	921 Willow Vista Road	Garner, NC	27529
KD4OLP	T	John Rosenquest	919-846-0533	9405 Greenfield Drive	Raleigh, NC	27615
KD4OLR	T	David B Robinson	919-460-1922	119 Rosebrooks Drive	Cary, NC	27513

WD4OLS	T	William Ralph	919-467-4215	113 Cameron Court	Cary, NC	27511
KD4OLT	T	James M McCloud	919-828-7699	506 N. Person Street	Raleigh, NC	27604
KD4OLU	T	Barbara K McCloud	919-828-7699	506 N. Person Street	Raleigh, NC	27604
KD4OLV	T	Nancy Kenny	919-362-0012	7145 Meadow Gate Drive	Apex, NC	27502
KD4OLX	T	James A Harmer	919-872-3674	7009 Rainwater Road	Raleigh, NC	27615
KA4OLY	T	Chris Bracknell	919-876-5348	6404 Buffaloe Road	Raleigh, NC	27604
KD4OLZ	T	Nola S Alderman	919-876-0340	3101 Julian Drive	Raleigh, NC	27604
~~KN4OQ~~	~~A~~	~~Carl L Gerdes~~	~~919-847-0984~~	~~1644 Brookrun Drive~~	~~Raleigh, NC~~	~~27614~~
KB4OQO	T+	Douglas Thomson	919-481-4505	133 Cumberland Green Drive	Cary, NC	27513
W8OSC	A	Sanford E Wuntner	919-781-9319	3300 Huddlestone Dr. Apt 204	Raleigh, NC	27612
KF4OT	A	George R Hart	919-846-2468	1405 Acres Way	Raleigh, NC	27614
WB6OTG	T	William H Collins	919-662-8208	9617 Ten Ten Highway	Raleigh, NC	27603
KD4OWA	T	James R Campbell	919-469-8308	Route 1, Box 130-C	Morrisville, NC	27560
AB4OZ	E	Alan Pitegoff	919-787-1111	3632 Blue Ridge Road	Raleigh, NC	27607
KD4OZC	T+	Laura Sobon	919-847-8830	4700 Fallswood Place	Raleigh, NC	27613
N4OZL	T	John Callery	919-231-7288	3621 Bond Street	Raleigh, NC	27604
NF4P	E	Dr. Rollin M Ramsom, Jr.	919-269-4406	1421 Parks Village Road	Zebulon, NC	27597
K4PB	E	Alan Harp	919-362-8911	8113 Belgium Drive	Raleigh, NC	27606
KD4PBM	T	Raymond Pope	919-266-3187	211 Whitefield Street	Knightdale, NC	27545
KD4PBS	T	Matt Harris	919-467-4832	801 Madison Ave	Cary, NC	27513
KD4PBU	T	Ferdinand Lundberg	919-779-2626	103 November Street	Garner, NC	27529
KD4PBV	T	Chris McKendry	919-467-0213	916 Northwoods Drive	Cary, NC	27513
KD4PBZ	T	Jennifer L Clary	919-266-3115	2125 Davistown Road	Wendell, NC	27591
KD4PCB	T	Nancy B Edwards	919-851-3744	6234 Deerwood Place	Raleigh, NC	27607
KD4PCD	T	Fletcher J Pate	919-847-7849	1605 Acer Court	Raleigh, NC	27615
KD4PCH	T	~~Anthony R Loftus~~	~~919-380-0652~~	~~407 Warren Avenue~~	~~Cary, NC~~	~~27511~~
WA4PEN	T	Edward M Alderman	919-876-0340	3101 Julian Drive	Raleigh, NC	27604
W5PGX	A	Ashby W Spratley, Jr.	919-662-1626	106 Tafton Court	Garner, NC	27529
K9PM	E	Paul M Mueller	919-851-1212	P.O. Box 37694	Raleigh, NC	27627
N4PNO	A	Chris Hux	919-859-3256	816 Merwin Road	Raleigh, NC	27606
N8PRQ	T	Karen Gordon	304-325-3145	505 Union Street	Bluefield, WV	24701
KD4PSK	T	Michael Carter	919-467-4522	1006 Reedy Creek Road	Cary, NC	27513
KA3PSK	T+	Richard A Merkle	919-870-8268	6412 Sassafras Lane	Raleigh, NC	27614
K4PSP	G	Michael Falzone	919-834-6581	1305 Wake Forest Road	Raleigh, NC	27604
KD4PXB	G	Andrea K Blalock	919-477-0664	3503 Duke Homstead Road	Durham, NC	27704
KO4PY	E	Brent Smith	919-781-1004	2610 Glen Burnie Drive	Raleigh, NC	27607
KO4QH	A	Lynn Pitegoff	919-787-1111	3632 Blue Ridge Road	Raleigh, NC	27607
WB4QHA	G	Robert L O'Neal	919-556-0273	601 Tyler Run	Wake Forest, NC	27587
WB8QJN	T	John L Ohl	919-266-7737	P.O. Box 121	Knightdale, NC	27545
KC4QNQ	G	Joseph B Watkins	919-772-5452	501 Locust Lane	Raleigh, NC	27603
KD4QZW	T	Douglas C Spriggs	919-471-8149	633 Donlee Road	Durham, NC	27712
KD4QZY	T	Gerald Fry	919-387-0015	Route 3, Box 166-3	Apex, NC	27502
KD4QZZ	T	Harry J Kuhman	919-772-8925	2023 Englewood Drive	Apex, NC	27502
KD4RAA	T	Danny Musten	919-781-1843	1511 Duplin Road	Raleigh, NC	27607
~~KC4RCC~~	~~G~~	~~Henry B Brown~~	~~919-575-6760~~	~~307 13th Street~~	~~Butner, NC~~	~~27509~~
AC4RD	E	J. K. Kuzenski	919-832-6360	814 Faircloth Street	Raleigh, NC	27607
WD4RDT	A	Wilbur M Goss Jr	919-266-9335	4425 Watkins Rd.	Raleigh, NC	27604
N4RGG	A	Heyward B Grainger	919-779-6847	1606 Sycamore Drive	Garner, NC	27529
KB4RV	A	J. Kenneth K Boggs	919-878-1127	7604 Pat'S Branch Drive	Raleigh, NC	27612
KB4RZ	A	Rick Jackson	919-782-1616	3347 Alamance Drive	Raleigh, NC	27609
N4RZO	G	Warren B Bell	919-850-0515	7316 Massachusetts Court	Raleigh, NC	27615
KC4SAM	G	William G Moore	919-787-1258	6000 Silkwood Way	Raleigh, NC	27612
K4SAN	A	David E Thomas	919-772-6338	7905 Merrimac Drive	Apex, NC	27502
N4SDQ	T	Fran E Beckett		Po Box 59	Pascagoula, MS	39568
WA4SKH	A	Ben C Robinson		1812 Snow Wind Drive	Raleigh, NC	27615
K8SL	E	Rolf K Andersson	919-848-4033	2836 Mattlyn Court	Raleigh, NC	27613
AB4SL	E	Steve Kastelberg	919-362-4967	Route 1, Box 36-A	New Hill, NC	27562
KD4SLC	T	Gilford K Colbert	919-231-2163	P.O. Box 20931	Raleigh, NC	27619
KD4SLF	T+	W. F McClure	919-782-8351	3401 Malibu Drive	Raleigh, NC	27607
N4SMI	T	Aaron Sims	919-772-8097	1804 Vandora Springs Road	Garner, NC	27529

WA4SNC	G	Wayne E Shevlin	919-847-3470	705 Northclift Drive	Raleigh, NC	27609
KJ4SO	A	Woody Winstead	919-848-1844	717 Sawmill Road	Raleigh, NC	27615
WA2SRZ	E	Vincent Manoogian	919-471-8792	234 Crestview Drive	Durham, NC	27712
N4SSO	T	Jean B Robinson		1812 Snow Wind Drive	Raleigh, NC	27615
N4SSS	T	Peggy F Price	919-481-3856	420 Oak Ridge	Cary, NC	27511
N4SST	G	Milton C Blalock	919-552-9490	903 Holland Road	Fuquay-Varina, NC	27526
N4SSU	T	Edward V Phelps-Breeden	919-846-6839	8604 Windjammer Drive	Raleigh, NC	27615
N4SSX	E	Andy E Blalock	919-477-0664	3503 Duke Homestead Road	Durham, NC	27704
KM4SX	A	Dick G Fredenburg	919-772-3231	104 Castle Manor Court	Garner, NC	27529
KD4SXB	T	Nick Holodkov		Vtoraja Rejsovaja 25-75	103027 Moscow	RUSSIA
KD4SXC	T	Vladimir Plugin		P.O. Box 10	103027 Moscow	RUSSIA
KC4SYV	T	Sandy Thomas	919-772-6338	7905 Merrimac Drive	Apex, NC	27502
WA9SZL	G	Johnnie Mayfield	919-365-6291	Po Box 1273	Wendell, NC	27591
NT4T	E	Bill Jackson	919-552-3091	4805 Bentcreek Drive	Fuquay-Varina, NC	27526
NO0T	E	Paul Sobon	919-847-8830	4700 Fallswood Place	Raleigh, NC	27613
KD4TBU	T	Paul K Halverson	919-932-9558	1004 Mt. Carmel Church Rd.	Chapel Hill, NC	27514
KD4TCU	T	Betsy Blalock	919-477-0664	3503 Duke Homstead Road	Durham, NC	27704
KD4TCV	T	Mike Ralph	919-467-4215	113 Cameron Court	Cary, NC	27511
N4TDY	E	Charlie Fields Jr.	919-848-8130	6524 Keystone Drive	Raleigh, NC	27612
KD4TEB	T+	Ronald G Turner	919-528-2105	3525 Trapper'S Run Road	Wake Forest, NC	27587
AC4TG	E	Michael W Malpass	919-851-5390	202 Larkwood Lane	Cary, NC	27511
N4TH	E	Don S Alderman	919-676-2048	2605 Iman Dr.	Raleigh, NC	27615
KC4THW	G	Kevin Littlewood	919-872-6555	2005 Quail Ridge Road	Raleigh, NC	27609
WA4TLI	E	Preston A Carter	919-467-4522	1006 Reedy Creek Road	Cary, NC	27513
WA3TMR	E	Steve Lympany	919-552-9439	109 Mill Creek Drive	Fuquay-Varina, NC	27526
KD4TRJ	T	John L Thompson III	919-676-3494	6708 Colony Ct.	Raleigh, NC	27612
KO4TV	A	Glenn M Bloodworth	919-787-0758	2210 Charles Drive	Raleigh, NC	27612
KC4TVU	G	Robert H Smith	919-235-3076	Route 3, Box 394E	Middlesex, NC	27557
WB7TXO	G	Joyce E Yakamavich	919-847-8512	220 Carriage Trail	Raleigh, NC	27614
W4TZU	A	Sherman Starnes	919-494-5169	Route 1, Box 99	Franklinton, NC	27525
~~KA4UBN~~	~~G~~	~~James G Lea~~	~~919-968-3290~~	~~P. O. Box 4624~~	~~Chapel Hill, NC~~	~~27515~~
W0UCE	E	Jack A Ritter	919-846-1848	1604 Cedar Lane	Raleigh, NC	27614
W2ULO	E	John F Vargas	919-850-9200	6009 River Landings Drive	Raleigh, NC	27604
N4UNW	T	Carol Ellis	919-266-3624	Route 2, Box 346	Wendell, NC	27591
KM4UO	A	William R Hutchins	919-968-4292	5605 Brisbane Drive	Chapel Hill, NC	27514
N4UOQ	T	Eleanor Phelps-Breeden	919-846-6839	8604 Windjammer Drive	Raleigh, NC	27615
KI4UP	A	Gerald M Hay	919-846-8073	11924 Appaloosa Run	Raleigh, NC	27613
KC4UPX	T	Bernard R Blackmon, Jr.	919-467-8719	913 Northwoods Drive	Cary, NC	27513
KC4UPZ	G	Douglas A Sweet	919-481-1102	922 Northwoods Drive	Cary, NC	27513
KC4UQD	T	Deborah I Reames	919-832-4544	2824 Bedford Avenue	Raleigh, NC	27607
KC4UQF	T	Henry W Patrick	919-556-1054	205 Pine Ridge Ct.	Wake Forest, NC	27587
KC4UQE	T+	Joel G Reames Iv	919-832-4544	2824 Bedford Avenue	Raleigh, NC	27607
KC4UQN	T	Bruce A Buck	919-848-4538	305 Hillstone Drive	Raleigh, NC	27615
KC4UQO	G	Bill Bressler	919-677-1891	103 Belclaire Court	Cary, NC	27513
WB8UST	A	Joseph M Johnston	919-783-8776	817 Tyrell Drive	Raleigh, NC	27609
KM4UT	E	Michael E Payne	919-772-8726	5813 Heathill Court	Raleigh, NC	27603
WA0UWS	E	Greg Rogers		P.O. Box 5130	Raleigh, NC	27650
KA1UXI	T+	Lawrence Garrettson	919-846-9723	1828 Thorpshire Drive	Raleigh, NC	27615
W9VAK	A	Don Kroes	919-848-0779	7525 Wellesley Park South	Raleigh, NC	27515
W4VFJ	E	Charles O Brown, Jr.	919-556-8551	13033 Powell Road	Wake Forest, NC	27587
KD4VGM	T	David B Hopper	919-674-6575	4810 Edinborough Rd.	Greensboro, NC	27406
AB4VJ	E	Terry Murphy	919-471-4018	3855 Guess Road, #205	Durham, NC	27705
KC9VJ	A	James E Shelby	919-787-7146	123 Crestview Road	Raleigh, NC	27609
AA4VK	E	Ron Oates	919-847-3247	9908 Waterview Road	Raleigh, NC	27615
K4VLR	E	Charles E Brown	919-726-0304	4400 Coral Point	Morehead City, NC	28557
KK4VN	A	Arnold K Pedersen		Route 3, Box 221	Cumberland, VA	23040
N4VQL	A	Charles D Payne	919-790-1068	4807-A Hollenden Drive	Raleigh, NC	27604
N4VQN	A	Robert J Rinn	919-847-6185	509 Brittany Bay	Raleigh, NC	27614
N4VQT	G	Richard G Yost	919-848-7887	7204 St. Ledger Drive	Raleigh, NC	27613
KC4VTZ	G	William G Carrington	919-933-2563	6421 N.C. 86 A-10	Chapel Hill, NC	27514

N4VUY	T	Virgil A Hinds	919-876-7613	3316 Comstock Road	Raleigh, NC	27604
KB4VYP	T	Patrick Reams	919-266-4434	3509 Rolesville Road	Wendell, NC	27591
N4VZE	G	James D Bookout	919-266-7166	401 Satterwhite Drive	Knightdale, NC	27545
N4VZQ	A	Guy E Hill	919-772-4327	408 Lamesa Drive	Raleigh, NC	27603
KY4W	E	Frank Weiss	305-994-8017	17401 Spring Tree	Boca Raton, FL	33487
KC4WCD	G	Harry E Huddleston	919-779-1539	105 Creech Road	Garner, NC	27529
N4WFV	T	Craig Schulz	919-266-1560	1012 Laurens Way	Knightdale, NC	27545
WB4WII	G	Tom Graham	919-326-3131	Route 1, Vacation Village	Swansboro, NC	28584
N4WIK	A	Frank Halloway	704-537-6976	5018 Park Road, #271	Charlotte, NC	28207
KC3WJ	A	Clair Claiborne	919-872-0222	3608 Wickersham Way	Raleigh, NC	27604
KD4WJK	T+	Jonathon C McLendon	919-846-7931	1708 Wedgeland	Raleigh, NC	27615
KD4WKC	T	Russell Maxwell	919-790-8473	717 Compton Rd.	Raleigh, NC	27609
N4WPX	T	Janet G Payne	919-772-8726	5813 Heathill Court	Raleigh, NC	27603
WA3VRU	T	Richard Sudkamp	919-362-9682	6901 Orchard Knoll Drive	Apex, NC	27502
KD4WRZ	T	Kenneth B Jackson	919-828-5051	2329 Lawrence Dr.	Raleigh, NC	27603
KD4WSA	T	Chip Irek	919-571-8752	2423-L Wycliff Road	Raleigh, NC	27607
KD4WSC	T	David Faircloth	919-556-7728	P.O. Box 426 / 424 Cross Street	Youngsville, NC	27596
WA2WTE	A	Duane Lindsey	919-571-7850	4113 Starboard Court	Raleigh, NC	27613
KD4WTI	T	Barry Weinstein	919-380-0485	120 Canterfield Rd.	Cary, NC	27513
KD4WTJ	T	Phil Weinstein	919-380-0485	120 Canterfield Rd.	Cary, NC	27513
KD4WTL	T	Sharon Freeze	919-677-1525	311 Montibello Drive	Cary, NC	27513
KC4WUE	T	Arthur C Everett, Jr.	919-772-6316	2620 Brad Court	Apex, NC	27502
KC4WUF	T	David M Sinnott	919-556-7608	120 Dixie Lane	Youngsville, NC	27596
W4WYV	E	George S Peacock	919-876-0071	6604 Johnsdale Road	Raleigh, NC	27615
AC4XF	E	Lee Lewis	919-467-5978	219 Danforth Drive	Cary, NC	27511
N5XJW	T+	Paul L King	919-557-5660	7212 Silver Maple Street	Willow Springs, NC	27592
N4XOS	T	John L Owen	919-362-9041	9041 Holly Springs Road	Apex, NC	27502
KN4XP	E	Mike Prevatte		1933 Roxie Avenue	Fayetteville, NC	28304
N4XPE	-	Dave Hyte		200 Athens Way	Nashville, TN	37228
N4XPD	T	Wayne Glosson	919-542-4267	Route 1, Box 950	Moncure, NC	27559
N4XPF	T+	Ronald D Young	919-870-0175	7445 Deer Track Drive	Raleigh, NC	27613
AC1Y	E	Sandy N Gerli	919-467-6657	116 Bruce Drive	Cary, NC	27511
WB4YBF	E	Paul Sims	919-772-8097	1804 Vandora Springs Road	Garner, NC	27529
W4YC	E	Ed Engebretson	919-847-1030	1308 Hunting Ridge Road	Raleigh, NC	27615
N4YKC	T	David J Fisher	919-847-6033	11908 Coachmann'S Way	Raleigh, NC	27614
KC4YLS	T	Matthew Warner	919-299-8135	7170 Greenhaven Drive	Greensboro, NC	27406
KC4YLT	T	Scott Warner	919-443-2336	6507 Hearthstone Drive	Raleigh, NC	27615
KK4YP	A	Edward K Ellis	919-936-300	P.O.Box 581	Princton, NC	27569
N4YQZ	T+	Stanley K Goldsmith		12312 Chastain Drive	Raleigh, NC	27614
N4YRB	T	John S Irwin	919-872-7654	1900 Pony Run Road	Raleigh, NC	27615
N4YRD	T+	John C Jaskolka	919-876-8475	2130-D Brentwood Road	Raleigh, NC	27604
N4YRJ	A	Peter G St. Wecker	919-383-7847	17 Prestwick Place	Durham, NC	27705
N4YRN	T+	Stephen L Williams	919-387-0831	3204 Treewood Lane	Apex, NC	27502
N4YRO	T	Barbara M Yost	919-848-7887	7204 St. Ledger Drive	Raleigh, NC	27613
N4YTO	T	David T Fix	919-552-1861	48 Buck Jones Road	Raleigh, NC	27606
WB2YTQ	T+	Peter A Legault	919-380-9601	305 Silvercliff Trail	Cary, NC	27513
KD4YU	A	Kurt Phillips	919-772-0207	6200 Vicky Drive	Raleigh, NC	27603
AB4YW	E	George H Wilson	919-237-1659	305 Monticello Drive	Wilson, NC	27893
KS2Z	E	Todd R Ellis	919-954-0649	4320 Whisperwood Drive	Raleigh, NC	27604
NU9Z	E	Scott Schulz	919-266-1560	1012 Laurens Way	Knightdale, NC	27545
K4ZAD	A	Thomas A McKee	919-851-2542	104 Water Leaf Lane	Cary, NC	27511
N4ZBA	T	Alice H Rozenbroek	919-929-0515	126 Essex Drive	Chapel Hill, NC	27514
N4ZBB	T+	Ken M Edwards	919-851-3744	6234 Deerwood Place	Raleigh, NC	27607
N4ZDC	T	Thomas R Gladden	919-552-0514	Route 1, Box 51, Lake Point	Fuquay-Varina, NC	27526
KB4ZMB	T+	Wesley G Davis	919-269-4172	P.O. Box 443	Wendell, NC	27591
KB2ZO	A	James C Howard, Jr.	919-772-8321	1335 Old Buckhorn Road	Garner, NC	27529
AC4ZO	E	Jeff Wittich	919-362-9456	211 Dundalk Way	Cary, NC	27511
WB4ZSM	G	Audrey N Browne	919-787-4299	4419 Gates Street	Raleigh, NC	27609
N4ZUD	T	Terri L Jaskolka	919-876-8475	2130-D Brentwood Road	Raleigh, NC	27604
K4ZVK	G	Walter L Chambers, Jr.	919-876-6306	4301 James Road	Raleigh, NC	27604
-	-	Brian Armstrong	919-779-6788	103 Walnut Drive, Route 2	Garner, NC	27529

-	-	Carolyn Armstrong	919-779-6788	103 Walnut Drive, Route 2	Garner, NC	27529
-	-	Ed Bell	919-851-1517	5311 Woodsale Road	Raleigh, NC	27606
-	-	Eddie H Davis	919-231-6847	720 King Richard Road	Raleigh, NC	27610
-	-	Michael Jett -	-	1404 Lorimer Road	Raleigh, NC	27606
-	-	Lem Komegay	919-481-1164	815 Kensington Drive	Cary, NC	27511
-	-	Harry L Lancaster	919-266-4404	2204 William Lane	Wendell, NC	27591
-	-	Mary Jo Littlewood	919-872-6555	2005 Quail Ridge Road	Raleigh, NC	27609
-	-	Michael A Merrill	919-365-9308	2030 Stanley Drive	Wendell, NC	27591
-	-	Joseph C Murphy	919-847-4641	7329 Barberry Court	Raleigh, NC	27615
-	-	Catherine R Murphy	919-847-4641	7329 Barberry Court	Raleigh, NC	27615
-	-	Doris Plaks	919-876-4192	1205 Country Ridge Road	Raleigh, NC	27609
-	-	Rudy Rehquate	919-787-2120	745 Catawba Street	Raleigh, NC	27609
-	-	Bruce Rosar	919-481-0933	101 Ripley Court	Cary, NC	27513
-	-	Michael Stroud	919-772-4112	2213 Wininger Drive	Raleigh, NC	27603
-	-	David R Thawley	919-850-9038	1112 Mayberry Place	Raleigh, NC	27609
-	-	Edward R Hauptman	919-781-2996	4810 Holly Ridge Dr.	Raleigh, NC	27612
-	-	James Harris	919-832-6601	P.O. Box 33525	Raleigh, NC	27636
-	-	Jesse Barber	919-832-6601	1601 Hillsboro Street	Raleigh, NC	27601
-	-	Ray E Martin	919-481-0662	102 Cavendish Dr.	Cary, NC	27513
-	-	Michael McClafferty	919-676-0053	7309-10 Hihenge Court	Raleigh, NC	27615
-	-	Betina Weinstein	919-380-0485	120 Canterfield Rd.	Cary, NC	27513
-	-	Jerry L Hamann	919-467-6361	609 Sloan Dr.	Cary, NC	27511
-	-	Michael J Richardson	919-387-8090	5605 Easton St.	Holly Springs, NC	27540
-	-	Teddy Allan Prewitt	919-492-3977	Rt 3 Box 873-T	Henderson, NC	27536
-	-	Andrea E Halverson -	-	1004 Mt. Carmel Church Rd.	Chapel Hill, NC	27514
-	-	Warren Lewis	919-481-1248	127 South Atley Lane	Cary, NC	27513
-	-	Mal Whitmore	919-878-3680	1400 Morningsdale Dr.	Raleigh, NC	27609

Raleigh Amateur Radio Society 1993 Officers and Contacts

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THE DIFFERENCE BETWEEN PACKET AND KUDZU

I'm going to ramble about packet for a few paragraph here. If you don't like packet, you might read along anyway. I'm not going to tell you how to "Connect" or set parameters in a TNC. If I'm lucky, I won't even use the abbreviation TNC again. If you're really into packet, my challenge is getting an expert like you to listen to a novice like me.

My topic is: how well is packet getting along with it's neighbors, right here in North Carolina, on VHF and UHF? The short way to say this is "Frequency Coordination." I don't promise to stick to the topic.

Regular Exciter readers will remember that two months ago I stuck my head up above the weeds and noticed that there seemed to be some conflicts brewing between packet and voice simplex operation on two-meters. Some Durham hams were talking about putting a node up on 147.48 (the "official" RARS simplex channel). (A node is kind of a packet repeater — it picks up a signal from you, and passes it to me, but it does it all on one frequency, not two like a voice repeater). That incident helped me realize that packet is growing, and the growth may be a bit out of control. The Durham hams didn't know where to go to find out what frequency was available for their node, and neither did I.

I also noticed that the SERA (SouthEastern Repeater Association) "digital" band plan does NOT include frequencies in common use for packet around here — 147.54 and 147.57. The channels listed for packet by SERA are 145.01, 03, 05, 07, 09, 61, 63, 65, 67 and 69.

A few road trips taught me that the 147 MHz packet activity was not a local phenomenon. I've heard bursts in Charlotte, the Triad, Ashville, Knoxville, and Nashville. And I've communicated with packet operators down toward the coast who've told me about their packet systems using 147 MHz spectrum.

Messages have recently popped up on the PacketCluster — people to the east, on toward Virginia Beach, are jockeying frequencies to get traffic linked in and out of Raleigh, trying to find a place for a cluster in Rocky Mount and down on the coast. "Where do we operate that won't interfere with someone, and no one will interfere with us?" In many cases the answer was found in the 147 MHz range, not the band-planned 145 MHz range.

I asked around, but didn't find much opinion about that. I hadn't asked the right people...

WAYNE'S WORLD

The February issue of the "SERA Repeater Journal" arrived with a blistering page-one editorial condemning packet on "voice frequencies." Journal Editor Wayne Williams K4MOB titled his editorial "Is There Going To Be Trouble," and then did his best to assure that there will be. Wayne wrote "It's hard to understand why operators of packet see fit to go up into the FM voice simplex frequencies, but I guess some of these operators feel they can do and go as they please... I do know that the digital people operating on voice simplex frequencies are wrong."

Wayne hints strongly that the FCC will be looking into the matter (I doubt it), and asks packet operators to move back to frequencies where they can "operate properly and legally where you are supposed to." (Nothing, as far as I can see, is "illegal" about packet operation above 147 MHz.)

Then, a few weeks ago, KD4BFJ and I attended our first meeting of the CDCC (Carolina Digital Coordinating Council — see a separate article on them hopefully in this issue of the Exciter). A large part of the meeting was dedicated to discussion of this issue. Wayne's editorial had just hit the mailboxes, and a representative of a group of simplex operators addressed the group with a complaint about a new node (on 147.54) interfering with the group's simplex operation (on 147.555, 15 kHz above the node). This operation was all in the Hickory area, I believe.

The immediate resolution of that conflict was a decision to move the new node, in this case back to a "digital" frequency near 145 MHz. But that doesn't solve what Wayne and I think will be a wider spread problem.

HIGH-SPEED PACKET ON 147.48

Have you been hearing anything strange on 147.48 (the RARS "Official Simplex Frequency?" For months,

every minute or so, my squelch will "pop," just a short burst of noise. At first, I wrote it off to having my base station in a high RF-noise environment here by the Fairgrounds (have you seen the tower along Hwy. 54 that looks like the candelabra on Liberace's piano — its just down the street). But I've also heard it while mobile all around Raleigh. And I've heard it while visiting N4VQT's home station. Finally, while driving back from the west along I-40, I heard it in the Burlington area — this time pegging my S-meter!

OK, I won't hold you in suspense any longer. (Oops, the headline above kind of spoiled the suspense already, didn't it?) Well, there are some hams putting together a high-speed data link between Burlington and Wilmington, and perhaps other spots in NC, on 147.48. In this case, "high-speed" is 9600 bauds (the packet you hear just about everywhere else on two-meters is 1200 bauds). On a narrow-band FM receiver, 9600 bauds packet sounds like "Psssssst," and it's gone. I guess when there's a LOT of traffic, it won't be gone so quick.

WHY GO ABOVE 147MHz?

Packet operators give several reasons for using the top end of the band. In some areas of the state, the bottom end is "full." How efficiently "full" I'm not prepared to say. Also, if you want to operate a "dual-port" system, shuttling traffic from a local bulletin-board to the 145.01 "backbone," you need either an expensive duplexer, or lots of frequency separation. Finally, there may be some simple ignorance of the band plan. With little available coordination, there is certainly a lot of ignorance about spectrum utilization.

HOW BIG IS THIS "PROBLEM?"

Good question. You're going to have to tell me. 146.52 is the National Simplex Channel. Around Raleigh, it is hardly crowded. The 146 MHz simplex channels carry some traffic, but there's plenty of elbow room. I picked 147.48 for "RARS Simplex" to provide frequency separation from 146.64, since we use both channels at club functions. But the Triangle isn't the country's biggest metro area (this is a nationwide problem, but hasn't received national attention in QST yet).

Around North Carolina, the 147 MHz simplex/packet problem probably looks most like the issue presented to the CDCC meeting. Clubs, ad-hoc groups and individual hams have been using the channels as more or less "private" channels, and want to stand on their "prior-use" claim. And then, of course, there's the "principle of the thing."

GET TO THE POINT

I said I was going to ramble. I didn't promise a point. My goal is to make you aware of the problem. The solution is a little way off (unless you accept Wayne's solution — everybody shut up and go back where you came from). The SERA has been backing off packet for a while, saying they have set aside frequencies for packet, and its up to the packet people to decide what to do with them. The CDCC is fairly new, operates only in part of North Carolina, and has not established a close working relationship with SERA yet. Simplex users have no "official" voice, and haven't tried using clubs like RARS to create one. Probably they're unaware of what's happening until one day they're blasted by a packet BRAAAAP.

My crystal ball says that the 147 MHz "simplex" band is already de-facto a packet band. I'm sad that it developed that way while nobody was watching (or talking), but I doubt it will change. I have been unsuccessful in learning the national extent of packet above 147, but I'll keep trying. Band plans are not cut in stone, they evolve to meet (or perhaps too often, to reflect) changes in need and use. All interested parties need to talk to each other, the sooner the better.

What do you think?

Gary Pearce, KN4AQ

1992 SIG Report Card

	SWL	VHF	VE	Xtal	Packet	H'Brew
Jan			1			
Feb		1	1			
Mar	1	1	1	1		
Apr		1	1			
May	1	1	1	1		
Jun		1	1			
Jul		1	1			
Aug		1				
Sep						
Oct	1	2				
Nov						
Dec						
TOTAL	3	10	7	3	0	0

November VHF/UHF SIG Report

Sorry this got delayed from earlier by an electronic "Black Hole" - Ed.

The November Sig meeting was held on the 11th at the home of Ronnie, WA4MJF and Sherry Reams, KB4EXL. Twenty hams were present: KJ4SO, KA2FWC, K4SAN, KD4JMN, N4PNO, AB4OZ, AB4FY, KD4BFJ, KD4BFU, KB4VYP, KM4OH, KA3PSK, KO4QH, KD4ACW, KN4AQ, KS2Z, WA4RDT, and WA4LHE.

Woody, KJ4SO, announced that the RARS Apex site 440Mhz repeater should be on the air by the end of the year. The 440 repeater at the Bayleaf site has audio problems but is usable and getting out well. A dual band antenna has been obtained thanks to a trade with Chet, KB4LAF. This will replace the antennas at Bayleaf and should improve performance for both the 146.64 and 440Mhz repeaters there.

Woody presented to the RARS board the details of an ATV repeater for the triangle area. He will be forming a joint committee with area ham clubs in an effort to form an association to support an ATV repeater on 440Mhz. Preliminary plans are to possibly charge a $25 user fee for the repeater. Seven ATV transceivers have been ordered. More will probably be ordered later quite possibly with a discount. Anyone interested in ATV contact Woody.

Dave, K4SAN, informed all in the sig that the next VHF/UHF QSO party is coming on the second weekend of January. We have permission to use the ABB site again. He is setting up band captains. Anyone interested in joining in the fun contact Dave.

Woody described a T-shirt that will be on sale celebrating the SAREX STS-47 contact. Logos for RARS and the STS-47 mission patch will be applied. They should be available for the RARS hamfest in April.

It was moved, seconded and passed that the sig purchase with sig money a 1296Mhz 54 element loop yagi for use during contests.

The meeting ended and we all headed for the kitchen and some of Sherry's famous desserts.

Glenn Clary, WA4LHE

SOS RARS

A Precursor to RIP RARS?
by Vince, AA4MY

Never let it be said that The Exciter shuns the controversial article or any contribution, come to that hint hint nudge nudge. This piece comes from Vince Yakamavich, editor of the Exciter for 4 years until December 1991 and longtime leader of the Volunteer Examiners. Seems he is a bit peeved - Ed.

The RARS I once knew and loved greatly is dying. Although our membership rolls are at an all-time high (or close to it), I see the club writhing in agony. Like a cancer, I see RARS being consumed from within by uncontrolled growth. The old and "productive" RARS is being pushed aside by an ever increasing tide of new and seemingly un-caring new growth.

Please don't get me wrong, new growth is important; it's our future. But there are limits to what an organization can absorb, without forever changing it's unique character. I think RARS is at that threshold. The character of a once truely great club is in jeopardy.

There is no "blame" for this condition. I believe we are where we are today because of the exceedingly hard work of a few very highly motivated workers within the club. They, the folks who do the training, do a damn good job at training neophytes to the hobby. Forty or more at a crack; twice a year. We train them ... We give them the required tests ... We sign them up as members ... and then we simply abandon them. A few people dig right in and become active. Others, well, just sort of disappear. (I started to say they fade away, but that's not entirely true: you have be BE there before you can fade away!) How many Novice/Tech classes have we run. How many "upgrade" classes have we run?

Yes, we have the SIGs — and I suppose an argument could be presented that basically says once inside the club, a new member can simply go to the SIG of his choice. Well, here's a test: list as many of the SIGs as you can. After you've done that, list who you'd contact within the club to join a SIG. When was the last time you saw a SIG report in the newsletter? Or a SIG presentation at a club meeting?

What scares me the most about RARS today is that those who dig in & become actively obsessed with the club soon burn out. Why? They get NO SUPPORT

from the rest of the members. Or even worse; their efforts are manipulated / they are USED by other members.

Let's talk about the newsletter. Once upon a time, we had members who gave a hoot about the club. They wrote articles. They spoke their minds. Bruce, WA9NEW; Ann, WA4APK; Rollin, NF4P.; the club president... You may not have agreed with everything they said, but their ideas at least caused you to think. Whether you were on HF or VHF, or not on the air at all, the newsletter tied the club members together. Today... each and every one of our members has a brain. They have opinions. They have likes and dislikes. But you'd never know it. No body writes. No body shares. It seems like nobody wants to be part of the club. (Now we have "Ham Radio in Raleigh, as seen by Gary Pierce" (No offence Gary, but if you ever decide to stop writing, there won't be anything between the covers!!) And how about some words of wisdom from our esteemed President. I don't think I've seen a word from him since he assumed the office!

Field Day. This is "officially" a once a year contest sponsored by the ARRL to demonstrate emergency preparedness. You head on out to the boonies ... pitch your tents, string wire antennas, make contacts. RARS's definition: a media Circus. Let's put on a show. Demonstrate amateur radio. Have TV stations, the general public all come out, wander around, ask questions. The more, the better. Well, excuse me RARS ... I'm NOT there to be an exhibit on display. I've been out there since Friday noon, establishing a camp. I've strung my antennas, and now I'm there sweating, working, trying to eke out a west coast CW contact. I'm there enjoying myself; I'm enjoying my some of the best fellowship RARS has to offer. I haven't put in all this work and sweat to have some visiting clod trip on my coax, interrupt the QSO to ask asinine questions. Hell, just one car with a bad spark plug wire in the "parade" of vehicles in and out of the "camp" wrecks everyone's receiver. Why even bother? I won't. Not anymore. Not until the "contest" is run like a contest. Not a club sponsored media circus. (You say you're having difficulty getting a Field Day Czar this year? Maybe we can find 3 new hams in lawn chairs willing to talking to each other on their HT's? What's that you say ... its not a worthy media show? Sorry. But that type of "field day" seems to be what RARS membership is all about anymore...

Used to be we had a SIG that loaned new comers HF rigs, helped them string their antennas. Guide them through that most memorable first QSO? Where did that helping spirit go?

Speaking of helping spirit ... you go to our meetings. You collectively consume thirty odd dozen donuts and several gallons of pop every month. But did you ever HELP provide that "benefit?" Yes, I know your dues paid for it ... but so did the dues of the guy who is busting his buns, month after month, providing that service. Do you think we can find 12 people who would volunteer about 1 hour a year and help out? How 'bout the RARS birthday party? If 20 people would step forward and volunteer 1 hour of work, one guy wouldn't have to put in 20 his-self. If you know any volunteer minded members of RARS, please call KA3PSK. He's about had it!

This article is starting to ramble. And I notice I am starting to voice my cynicism; something I thought I could contain. So I'd better wrap it up...

From my perspective, we, RARS, need to slow down our growth of new members. We need to cultivate and invest in the members we already have. We need to follow up and show them that amateur radio is more than a HT on 2 meters. A LOT more. We need to promote more volunteerism within the club. Even if we have to ASSIGN new members to working committees within the club. We need to learn about each other. We need to care about RARS, and the great club it is. Look in the mirror. The change can start with YOU!

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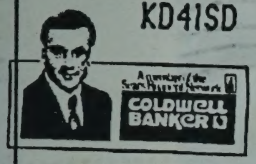
Postscript from the Editor

I just did an analysis of last years SIG contributions. See the bottom of page 16. VHF/UHF SIG came out top with 10 reports, then VE with 7 followed by Xtals and SWL with 3. Packet and Homebrew were 0. Of individual articles we have actually received a number of good ones on packet plus two recent excellent contributions on ATV. Considering the amount of money the packet SIG spends from the RARS budget I think we should get regular reports on SIG activity. How about it guys?. And while we are on the subject, the last time I received a VE report was 8 months ago.

Mike - KN4BS, Editor



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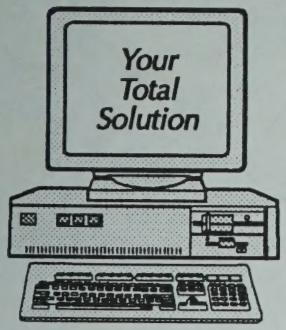

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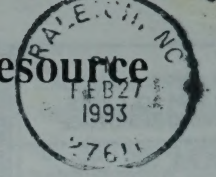

MR. SHERMAN STARNES W4TZU
ROUTE 1, BOX 99
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Jun 30, 1993

NEW RARS ROSTER IN THIS ISSUE !

Calendar of Events March-April 1993

Mar 3	Regular RARS Meeting, 7:30PM YMCA, Hillsborough St. Birthday Party!
Mar 6-7	ARRL International DX Contest (Phone).
Mar 10	RARS VHF/UHF Sig Meeting, info: Woody, K4JSO, 848-1844
Mar 11	ATV Assoc. meeting, contact Bryan, KD4BFJ, 831-1009
Mar 11	CW/Code SIG - Intro to Code, contact Jack, W0UCE, 846-1848
Mar 13	Amateur Exams, Durham. Pre-reg w Pete, KY4Y, 544-3215
Mar 13-14	Charlotte, NC Hamfest
Mar 15	SWL/Scanner SIG, info: Curt, KD4YU, 772-0207
Mar 17	RARS Board Meeting, 7pm YMCA, all members welcome.
Mar 17	RARS DX Packet Cluster Mtg, info Paul NO0T, 847-8830
Mar 20-21	Bermuda Contest, see QST
Mar 24	Repeater Tech Support Group, contact Chuk, 467-5787
Mar 24	Homebrew SIG, contact Bob, NA4G, 847-0069
Mar 25	RARS Crystals meeting, 6:30pm Shoneys, Avent Ferry Rd
Mar 25	CW/Code SIG - Improving Proficiency, contact Jack W0UCE, 846-1878
Mar 28	Downeast Hamfest Kinston, NC
Apr 4	RARSFEST '93, Jim Graham Bldg, NC State Fairgrounds, DXCC QSL Endorsement ckkg, Homebrew contest.
Apr 7	Regular RARS Meeting, 7:30PM YMCA, Hillsborough St.
Apr 14	RARS VHF/UHF Sig Meeting, info: Woody, K4JSO, 848-1844
Apr 19	SWL/Scanner SIG, info: Curt, KD4YU, 772-0207
Apr 21	RARS Board Meeting, 7pm YMCA, all members welcome.